Title (en)

SYSTEM AND METHOD FOR MONITORING PERFORMANCE OF A SPRAYING DEVICE

Title (de)

SYSTEM UND VERFAHREN ZUR PERFORMANCEÜBERWACHUNG EINER SPRÜHVORRICHTUNG

Title (fr)

SYSTEME ET PROCEDE DE SURVEILLANCE DE L'EFFICACITE D'UN DISPOSITIF DE PULVERISATION

Publication

EP 1888451 A2 20080220 (EN)

Application

EP 06769860 A 20060420

Priority

- US 2006014926 W 20060420
- US 11444305 A 20050426

Abstract (en)

[origin: US2006237556A1] A spraying device that sprays of a mixture of fluids is monitored to determine whether it is functioning properly. The spraying device has inlets for at least two fluids, such as water and air, and a mixing chamber in which the fluids are mixed. A mixture pressure sensor is mounted on the spraying device to detect the pressure of the mixture. The input pressures of the fluids entering the spraying device are also measured. The measured input pressures of the fluids are used to calculate a predicted mixture pressure based on an empirical formula, which has parameters that can be derived when the spraying device is installed in its operating position. The calculated pressure value and the measured actual mixture pressure are then used in a comparison process to determine whether or not the spraying device is functioning properly.

IPC 8 full level

B05B 12/00 (2006.01); **B67D 7/08** (2010.01); **B05B 7/04** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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US 11444305 A 20050426; BR PI0605637 A 20060420; CA 2569281 A 20060420; CN 200680000395 A 20060420; EP 06769860 A 20060420; JP 2008508942 A 20060420; RU 2006142947 A 20060420; US 2006014926 W 20060420